

INCH-POUND

MIL-DTL-23928/1C

2 April 2004

SUPERSEDING

MIL-P-23928/1B(SH)

5 December 1988

DETAIL SPECIFICATION SHEET

PANEL, ELECTRICAL, 125 VOLTS, POWER DISTIRBUTION FOR ALB-1 AND NLB-1
CIRCUIT BREAKERS, 4-20 CIRCUITS, DRIPPROOF, TOTALLY
ENCLOSED AND WATERTIGHT

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification sheet and MIL-DTL-23928.

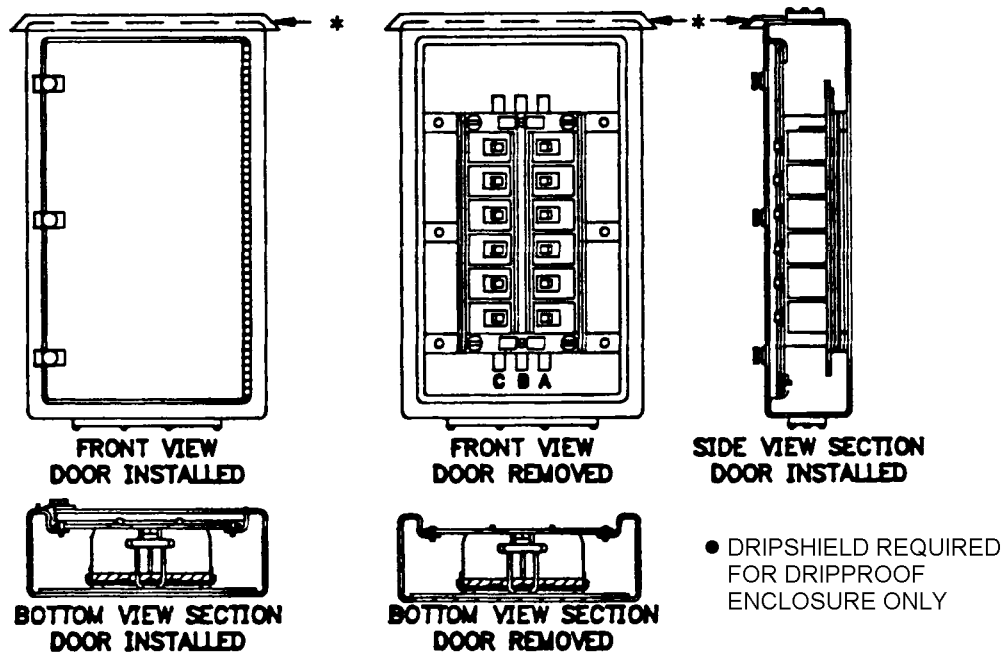


FIGURE 1. Distribution panel for ALB-1 and NLB-1 circuit breakers, totally enclosed and dripproof enclosure (typical).

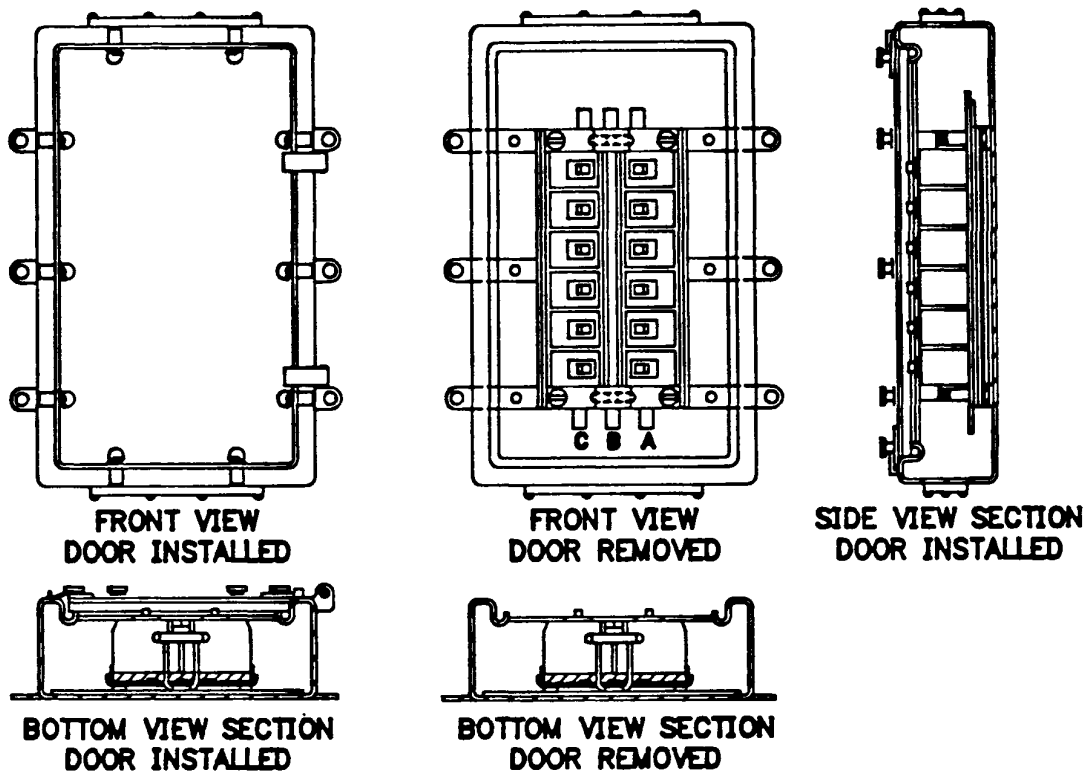
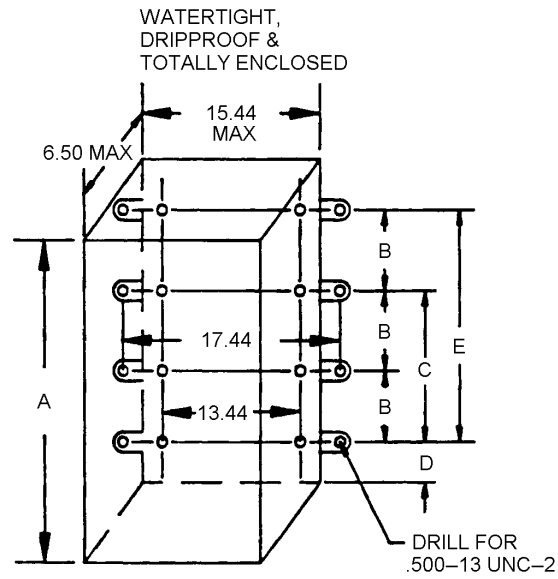


FIGURE 2. Distribution panel for ALB-1 and NLB-1 circuit breakers watertight enclosure (typical).

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NUMBER OF CIRCUITS	DIMENSIONS (INCHES)					MOUNTING HOLES PER SIDE
	A	B	C	D	E	
4-1 ϕ or 2-3 ϕ	19.00	-	9.25	4.88	-	2
6-1 ϕ or 4-3 ϕ	22.50	4.63	9.25	6.63	-	3
8-1 ϕ or 6-3 ϕ	25.50	4.63	9.25	8.13	-	
12-1 ϕ or 8-3 ϕ	28.50	6.00	12.00	8.25	-	
14-1 ϕ or 10-3 ϕ	31.50	6.50	13.00	6.00	19.50	4
18-1 ϕ or 12-3 ϕ	34.50	6.50	13.00	7.50	19.50	
20-1 ϕ or 14-3 ϕ	37.50	6.50	13.00	9.00	19.50	
24-1 ϕ or 16-3 ϕ	40.50	11.25	22.50	3.38	33.75	

FIGURE 3. Panel and mounting dimensions.

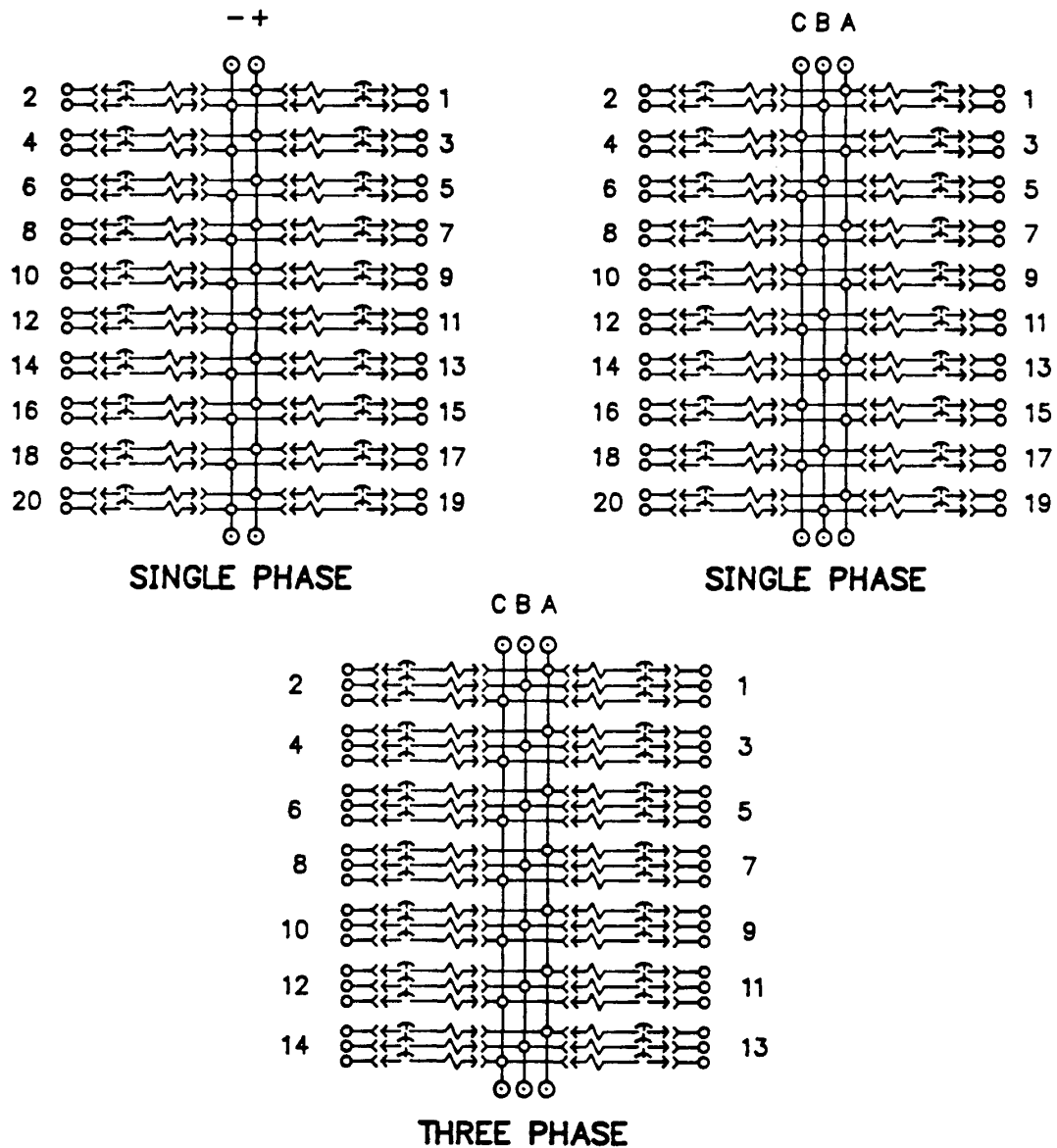
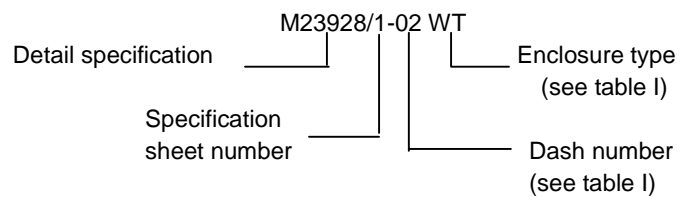


FIGURE 4. Wiring diagrams, front view (typical).

TABLE I. Part or identifying numbers (PIN's).

Dash number	Number of circuits		Symbol number and enclosure type			Current rating (amperes)
	1 ϕ	3 ϕ	Dripproof (DP)	Totally enclosed (TE)	Watertight (WT)	
01	6		994.4	994.5	994.6	200
02	8		995.4	995.5	995.6	300
03	12		999.4	999.5	999.6	400
04	14		1006	1006.1	1006.2	400
05	18		1007	1007.1	1007.2	400
06	26		1008	1008.1	1008.2	400
11		4	1009	1009.1	1009.2	200
12		6	1010	1010.1	1010.2	300
13		8	1011	1011.1	1011.2	400
14		10	1012	1012.1	1012.2	400
15		12	1013	1013.1	1013.2	400
16		14	1014	1014.1	1014.2	400

Example: The full PIN for a watertight, 8-circuit, single phase panel is:



REQUIREMENTS:

Class: 1 - Dripproof (see note 1).

Class: 2 - Totally enclosed (see note 2).

Class: 3 - Watertight (see note 3).

Dimensions and configuration: See figures.

Composition: See table I.

Current rating: See table I.

Voltage rating: 125 V ac and V dc.

Short circuit capacity: 50,000 amperes.

Bus bar size: 1 x 0.250 inch.

Bus bar feeder connection: Top and bottom.

Circuit breakers: ALB-1 and NLB-1 (see MIL-C-17588).

NOTES:

1. Class 1 panels with doors shall meet the 45 degree dripproof requirements, and panels without doors shall meet the 15 degree dripproof requirements in accordance with MIL-STD-108. When used, drip shield dimensions shall be as required to provide the specified degree of enclosure. Panels shall be furnished without doors only when specified in acquisition documents.
2. Class 2 panels shall meet the totally enclosed requirements in accordance with MIL-STD-108. Panels shall be furnished without doors only when specified in acquisition documents.
3. Class 3 panels, with doors, gaskets, and drain opening, shall meet the watertight requirements in accordance with MIL-STD-108.
4. The following types of circuit breaker mounting bases may be installed:
 - (a) Single phase (1 \emptyset):
 - Type A (see MIL-C-17588)-four breakers, 2 circuit base, \emptyset AB or \emptyset BC.
 - Type B (see MIL-C-17588) four breakers, 2 circuit base, \emptyset AC.
 - Type 3 \emptyset mounting base-six breakers.
 - (b) Three phase (3 \emptyset):
 - Type (3 \emptyset) mounting base-six breakers.
5. When a combination of 1 \emptyset and 3 \emptyset circuits are required, the number of each type circuit shall be specified in the acquisition document.
6. Panels shall be provided with a retaining device to hold all circuit breakers in place when the shield is removed.
7. Panels shall be of aluminum construction unless steel is specified in the acquisition documents.
8. Panels shall be furnished with mounting blocks.

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Referenced documents. In addition to MIL-DTL-23928, this document references the following:

MIL-C-17588 MIL-STD-108

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5925-0368-001)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at www.dodssp.daps.mil.